

1 **REDUCING EFFECTS OF ROTATIONAL VIBRATION IN DISK DRIVE**

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ABSTRACT

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5 A method of reducing rotational vibration effects in a disk drive by sensing
6 vibration in a sensor and generating corresponding sensor data; deriving a statistical
7 sensor (SS) value based on the sensor data; deriving a statistical position error signal
8 (SPES) value from servo sectors read by the head; comparing the SS value to a SS-
9 threshold value; comparing SPES value to a SPES-threshold value; and generating a
10 feed-forward command effort signal for reducing rotational vibration effects if the SS
11 value exceeds the SS-threshold value and if SPES value exceeds the SPES-threshold
12 value.